

ABSTRACT OF THE DISCLOSURE

A METHOD OF FABRICATING COMPOSITE TUBULAR DOOR FRAME

A method of fabricating a composite tubular door frame is disclosed. The method comprises the steps of laying up a A plurality of layers of prepreg composite fabrics are laid-up on a mould having an upper mould component and a lower mould component, and each layer of the composite fabric being compacted; placing a A plurality of nylon tubes is placed over the composite fabric at the upper mould component with the ends of the nylon tubes being extended out at each of the corners of the mould to be sealed with a main bag placed over the top and envelopeing the upper mould component.; proceeding tThe mould proceeds to a curing step with a curing pressure of 4 to 7 bars with 0.3 to 0.7 bar vacuum, the mould being heated in an autoclave to 80 degrees C and holdheld for 30 min. to 1.5 hour with 0.3 to 0.7 bar of vacuum in the enclosure enveloped by the main bag and sealed ing with the nylon tubes; and removing tThe main bag is removed from the mould, and the nylon tubes being are pulled out of from the mold, and removing the mould is removed to obtain a tubular door frame. Excess composite fabric is trimmed off from the fabricated tubular door frame.